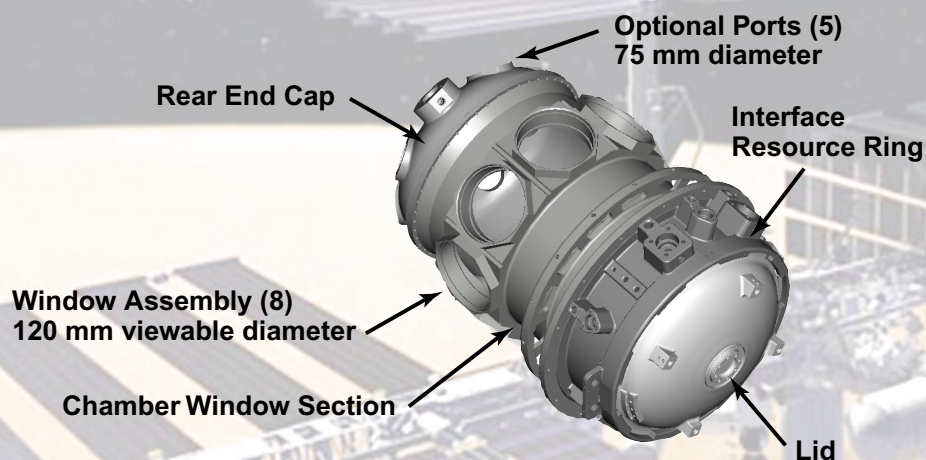




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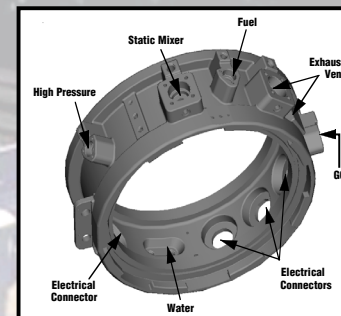


Combustion Chamber



- **Combustion Chamber Features:**
 - Breech lock hinged front lid
 - Redundant seals
 - Replaceable windows
 - Provides interfaces to PI-Specific Hardware
- **PI specific apparatus inserted into chamber:**
 - Sample holder, burner
 - Ignitor
 - Small diagnostics
 - Flow duct
- **Combustion Chamber Specifications:**
 - 40 cm internal diameter
 - 90 cm overall length
 - 100 Free liters
 - Maximum pressure of 8 atm
 - Access ports on rear of chamber

Interface Resource Ring



Window Assembly



- **Window Specifications:**
 - 8 windows, 12 cm viewable diameter
 - 20.0 cm centerline from optics bench
 - 4 pairs, 180 degrees apart
 - Replaced from inside chamber
 - No tools required, ratcheting mechanism